

Title (en)

A safety device for an oil fired boiler

Title (de)

Sicherheitsvorrichtung für einen ölbefeuerten Kessel

Title (fr)

Dispositif de sécurité pour chaudière à fioul

Publication

EP 2264369 A1 20101222 (EN)

Application

EP 09156534 A 20090327

Priority

EP 09156534 A 20090327

Abstract (en)

An oil supply safety device (1) includes a buffer tank (3) having an inlet (10) through which oil is delivered from an oil storage tank and an outlet (12) for delivery of oil to a burner of a boiler. A water level sensor (18) within the buffer tank (3) detects when water removed from the oil and collected in the buffer tank (3) rises to a predetermined level. The sensor (18) is connected to a controller (2) which is operable to shut off electrical supply to the oil fired burner of the boiler to stop the burner in response to the water level in the buffer tank (3) reaching the level sensor (18).

IPC 8 full level

F23K 5/08 (2006.01); **B01D 17/02** (2006.01)

CPC (source: EP)

F23K 5/08 (2013.01); **F23K 2900/05083** (2013.01)

Citation (search report)

- [X] US 5378353 A 19950103 - KOCH BERTHOLD [DE]
- [X] US 4960513 A 19901002 - YOUNG JAMES T [US]
- [X] US 2008150552 A1 20080626 - STRAUB ROBERT D [US]
- [X] US 4539109 A 19850903 - DAVIS LELAND L [US]
- [A] US 3485370 A 19691223 - NOZAKI TOSHIO, et al
- [A] US 3345978 A 19671010 - YATES JOHN W

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2264369 A1 20101222

DOCDB simple family (application)

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